Pioneer

AVIC-S2

System User Manual

R00 (EW)

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Note

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Notice

- Before using this product, read “Important Information for the User” (a separate manual) which contains warnings, cautions, and other important information that you have to follow.
- This manual provides System and Bluetooth® information. For information on the GPS navigation software, see the “Operation Manual.”

1 Getting Started

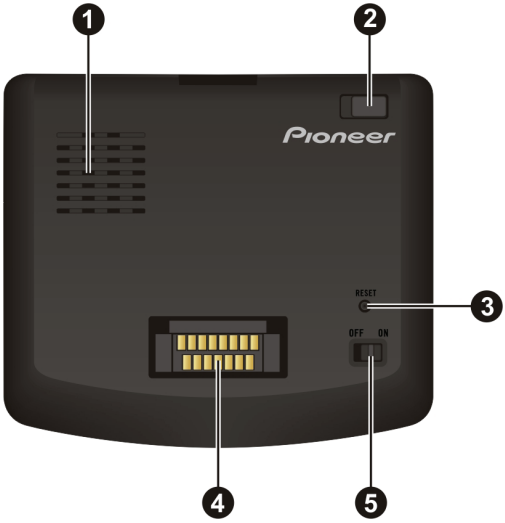
1.1 Understanding Hardware Features

Front Components

Ref	Component	Description
❶	**Touch Screen**	Displays the output of your device. Touch the screen with your fingertip to select menu commands or enter information.
❷	**Bluetooth Indicator**	Flashes in blue to indicate that the Bluetooth is in searching and pairing mode.
		Glows in blue when connecting to a Bluetooth mobile phone.
❸	**Map Button**	Press briefly to switch between Route Information and Detail Information.

		Press for 2 seconds to switch between Map mode and Cockpit mode.
❹	**Scroll Wheel**	Adjusts the volume by rotating the wheel.
❺	**Menu Button**	Opens the **Main Menu** by pressing briefly.

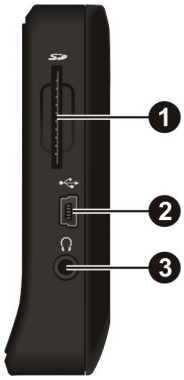
Back Components



Ref	Component	Description
❶	**Speaker**	For voice prompts, system operation tone, and hands free dial voice.
❷	**External GPS Antenna-**	This connector (under rubber dust cover) allows use of an external GPS antenna which may be positioned on top of the car for better signal reception in areas with poor reception. Contact Pioneer Support for recommendations on available third party products.
❸	**Reset Button**	Restarts your device (soft reset).
❹	**TMC Car Cradle Connector (Optional)**	Connects to the optional TMC Car Cradle for receiving TMC (Traffic Message Channel) information.

Ref	Component	Description
❺	**ON/OFF Switch**	The main power/battery cutoff switch. Please leave the switch in the "ON" position for normal operation.

Right-Side Components



Ref	Component	Description
❶	**SD Slot**	Accepts the SD (Secure Digital) card for map data, MP3 files and future software updates.
❷	**Mini-USB Connector**	Connects to the Cigar lighter socket, AC adapter or USB cable.
❸	**Headphone Connector**	Connects to stereo headphones.

Top Components

Ref	Component	Description
1	**Power Button**	Turns the device on and off by pressing for at least 2 seconds.
	Power Indicator	Glows bright amber to indicate that the battery is charging, and turns green when the battery is fully charged.

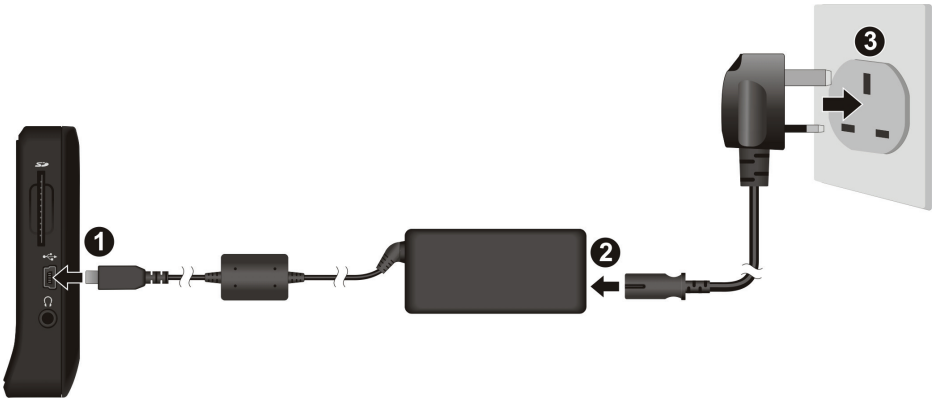
Bottom Components

Ref	Component	Description
1	**Microphone**	For Bluetooth hands-free calling.

1.2 Connecting to AC Power and Charging the Battery

Please fully charge your device before using it for the very first time.

1. Connect the AC adapter cable to the mini-USB connector on your device.
2. Connect one end of the power cable to the AC adapter and the other end to a wall outlet.



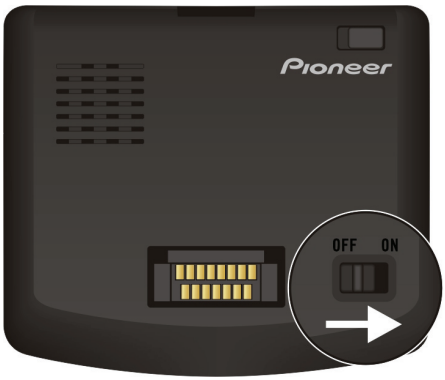
The power indicator glows amber when charging is in progress. Do not disconnect your device from AC power until the battery is fully charged. The power indicator will turn green. It may take several hours to fully charge.

CAUTION: For optimal performance of the lithium battery, take note of the following:

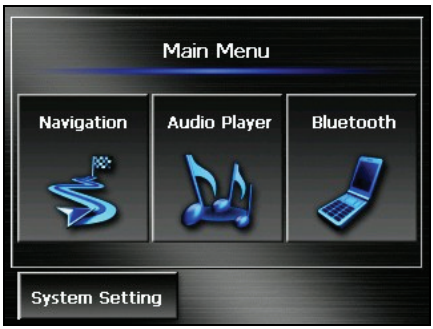
- Do not charge the battery where the temperature is high (e.g. in direct sunlight).
- Unlike other rechargeable batteries, there is no need to fully discharge the lithium battery before recharging.
- If you will not use the product for a long period of time, be sure to fully recharge the battery at least once every two weeks. Over discharge of the lithium battery can affect the charging performance.

1.3 Performing the Initial Startup

1. Slide the ON/OFF switch to the ON position.



2. The language setting screen appears. You can tap the left/right arrow to select a language. Then, tap OK.
3. The date/time setting screen appears. Tap the appropriate arrow button to select the time zone, date, and time. Then, tap OK.
4. The **Main Menu** appears.



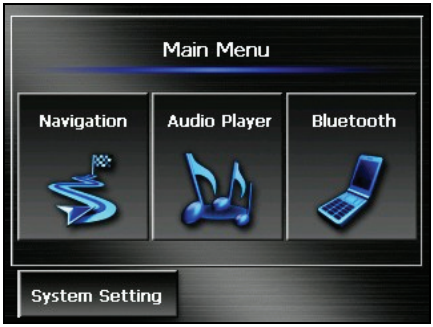
1.4 Turning Your Device On and Off

Press and hold the power button for at least 2 seconds to turn on and off your device.

When you press the power button to turn off the unit, your device actually enters into a suspend state and the system stops operating. Once you turn on the system again, it resumes from the same screen you left off at.

1.5 Main Menu

The **Main Menu** is your starting place for various tasks. Tap a button to start a task or open another menu.



You can access the **Main Menu** at any time by pressing the **MENU** button on your device.

Button Name	Description	For Detailed Information
Navigation	Starts the navigation software.	See the "Operation Manual" supplied with the software.
Audio Player	Plays MP3 music.	Chapter 2
System Setting	Customizes the system settings.	Chapter 3
Bluetooth	Starts the Bluetooth HF (Hands-free) Phone program.	Chapter 4

1.6 Navigating on the Screen

To navigate and select objects on the screen, simply use your finger and touch the screen. The following are possible via touch screen:

- **Tap**
  Touch the screen once with your finger to open items or select options.
- **Drag**
  Hold your finger on the screen and drag up/down/left/right or across the screen.
- **Tap and hold**
  Tap and hold your finger until an action is complete, or a result or menu is shown.

1.7 Using a SD Card

NOTE: Make sure that no foreign objects enter the slot.

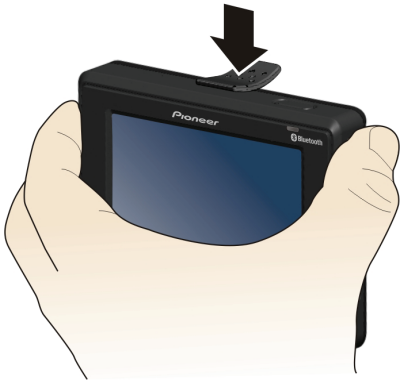
Your device features a SD slot where you can insert the Secure Digital storage card used for map data, storing MP3 files on your own SD card, and future software and application updates. To use a SD card, insert it into the slot, with the connector pointing toward the slot and its label facing the front of the device.

To remove a card, first make sure that no application is accessing the card, and then slightly push the top edge of the card to release it and then pull it out of the slot.

1.8 Attaching and Detaching the Device

To attach the unit to the holder and bracket, insert the unit into the holder bottom first and then press firmly at the top, near the Pioneer logo. The unit should lock securely into the holder.

Press down on the lever at the top of the holder to release and detach the unit. Please hold the unit securely while detaching to avoid damage.



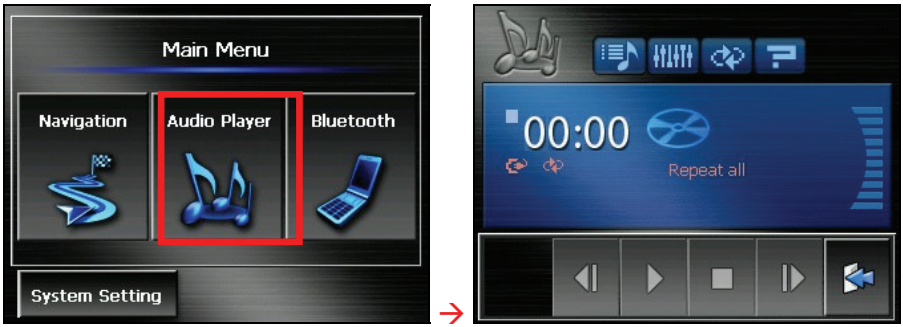
2 Audio Player

2.1 Starting and Exiting Audio Player

Audio Player features:

- Playback of MP3 files
- Basic playback controls such as play, pause, stop, next and previous
- Playback includes single selection playback, repeat, single repeat, sampling playback, normal sequence and random sequence.
- 11 preset equalizer audio profiles
- Play list support
- Background music playback

Tap the **Audio Player** button on the Main Menu to start the program. The control panel appears on the screen where you can easily control the player by tapping the control buttons.



To exit the program, tap .

2.2 Playing MP3 Files

NOTE: Prolonged listening of music in maximum volume can damage the ears.

1. Insert a Secure Digital card stored with MP3 files into your device.
2. Tap the **Audio Player** button on the Main Menu to start the program.
3. The program will search for the MP3 files in the storage card. When MP3 files are detected, they will be added to the play list.

   NOTE: You can create your own play lists for future playback. (See section 2.4 for details.)

4. To start playback, tap . To control playback, use the control buttons described in the next section.

You can exit the Audio Player while playing and playback will continue. To stop the music, go back to the Audio Player and tap .

2.3 Playback Controls

Control Button	Name	Description
	Play/Pause	Play or pause playback.
	Stop	Stop playback.
	Previous/ Next	Play the previous or next file.
	Exit	Close the program and return to the Main Menu.
	Play List	Open play list. (See Section 2.4 for more information.)
	Equalizer	Open the equalizer panel. (See Section 2.5 for more information.)
	Playback Mode	This button cycles through the following modes: Repeated playback of all files in sequence Repeated playback of all files in random order. Sampling playback in sequence Sampling playback in random order Single playback of the current file Repeated playback of the current file
	Help	Introduce the functions and operations of each button. When in the help screen, tap a button to see a description of the selected function at the bottom of the screen.

2.4 Using the Play Lists

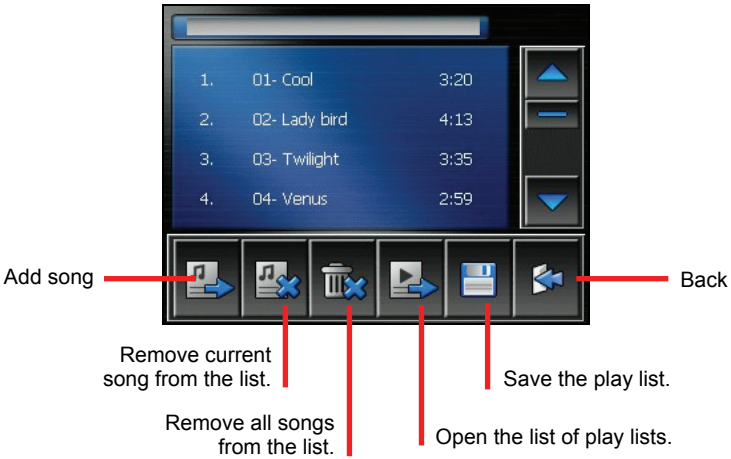
Saving All-songs Play List

By default, the program automatically loads all MP3 files in the play list. You can directly save the current play list by tapping .

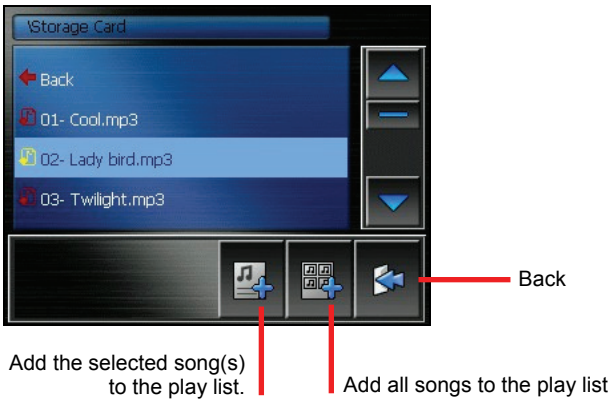
Creating Your Own Play List

You can also create your own play lists for future use.

1. After starting MP3, tap on the control panel to open the play list screen. The screen shows the current play list.


1. 01- Cool 3:20
2. 02- Lady bird 4:13
3. 03- Twilight 3:35
4. 04- Venus 2:59
Add song
Back
Remove current song from the list.
Remove all songs from the list.
Open the list of play lists.
Save the play list.

2. To add a song to the play list, tap . Select the folder containing your songs.
3. A screen appears displaying all the MP3 files. Tap the song(s) you wish to add and then tap .



4. To save the play list, tap .

5. To return to the control panel, tap .

Opening a Play List

To open one of the play lists that you have created:

1. After starting MP3, tap on the control panel.

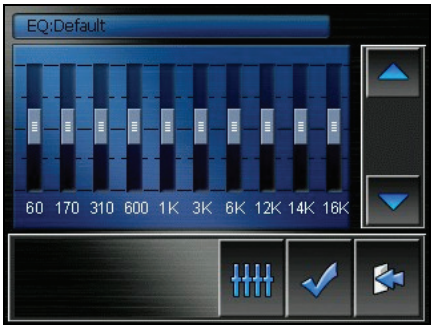
2. Tap to display all the play lists you have created.

3. Tap the play list you want to open and tap .

4. To return to the control panel, tap .

2.5 Equalizer

The program provides 11 preset audio profiles. Tap to open the equalizer panel.



Tap or to cycle through the available options: *Default*, *Hall, 3D*, *Soft*, *Disco*, *Heavy*, *Dance*, *Jazz*, *Classic*, *Pop* and *Rock*.

Tap to save your selection and return to the control panel. Tap to cancel your selection and return to the control panel.

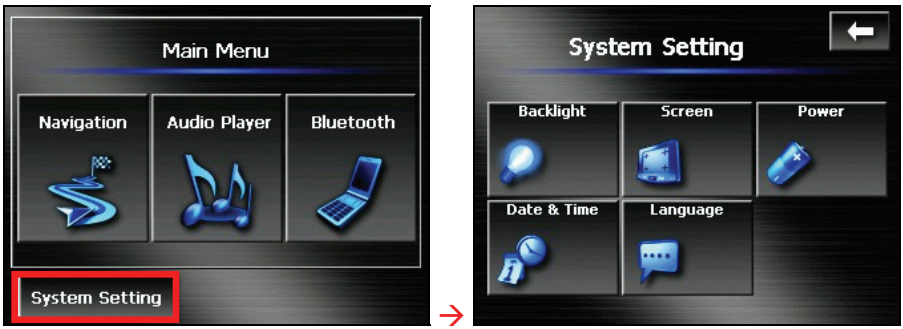
To select the *Default* profile, tap .

3 Settings

3.1 Starting and Exiting Settings

You can customize the system settings such as backlight brightness and language. Once you change the settings, the new settings will remain until you change them again.

Tap the **System Setting** button on the Main Menu. The System Setting menu appears as shown below.

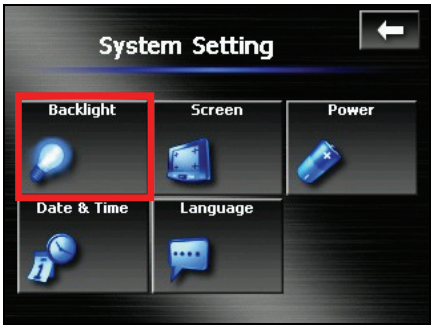


To exit System Setting, tap .

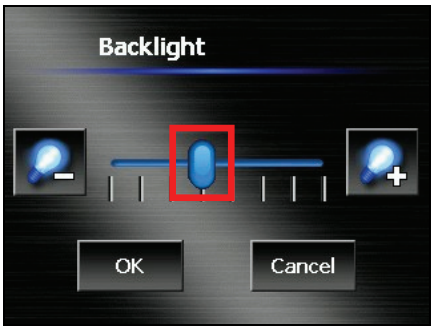
The following sections describe the various buttons and their functions.

3.2 Backlight

1. Tap the **System Setting** button on the Main Menu.
2. Tap the **Backlight** button.



3. Move the knob along the track bar to adjust the brightness of the backlight. To darken the backlight, move the knob to the left. To lighten the backlight, move the knob to the right.

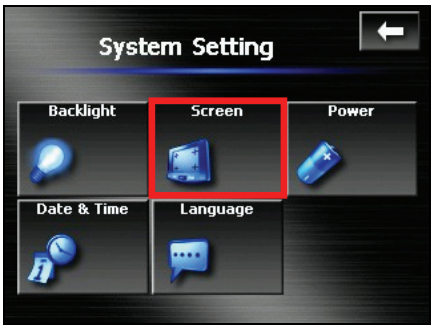


4. Tap to save the changes.

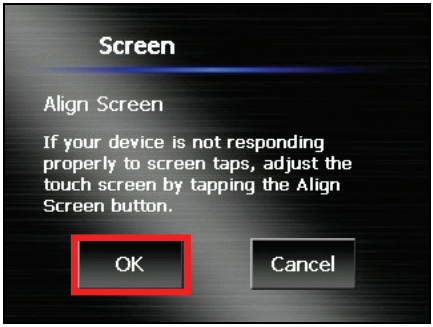
3.3 Screen

You can calibrate the touch screen if it is not responding accurately to your taps.

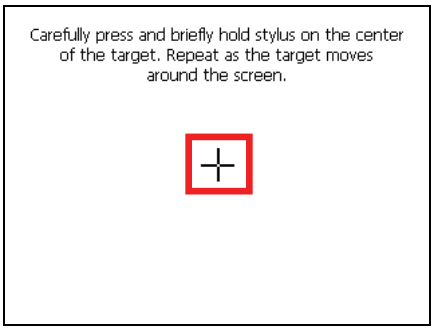
1. Tap the **System Setting** button on the Main Menu.
2. Tap the **Screen** button.



3. Tap OK to start the calibration.


Screen
Align Screen
If your device is not responding properly to screen taps, adjust the touch screen by tapping the Align Screen button.
OK
Cancel

4. Tap and hold the centre of the target.



5. When the target moves to another position, tap and hold the centre of the new target. Repeat each time to complete the calibration process.

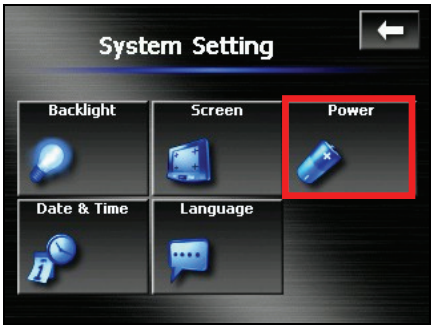
6. When completed, tap OK.

3.4 Power

To check the remaining power level of your battery and/or set up the power saving feature:

1. Tap the **System Setting** button on the Main Menu.

2. Tap the **Power** button.



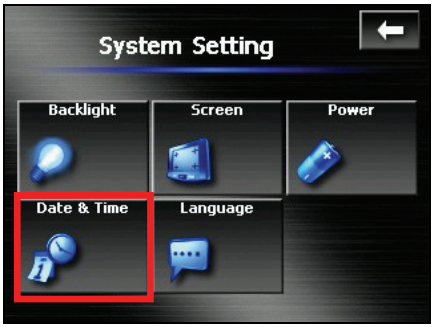
3. The screen shows the remaining power of your battery.

   You can set a timer to automatically turn off your device when it is running on battery power and idle for a set period of time. The options include **Never, 30 minutes**, **20 minutes**, and **10 minutes**.

4. Tap OK to save the changes.

3.5 Date & Time

1. Tap the **System Setting** button on the Main Menu.
2. Tap the **Date & Time** button.



3. To change the time zone, tap the left/right arrow in the “Time Zone” item.

4. To change the date, tap the down arrow in the "Date" item. A calendar pops up. Tap the left arrow on the calendar to go to the earlier month and year or the right arrow to the later month and year. Alternatively, you can tap the month or year on top of the calendar to directly change the month or year.

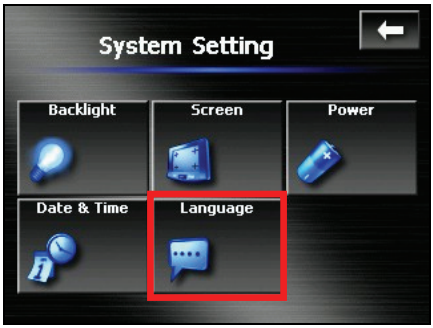
   When the calendar shows the current month, tap the date on the calendar.

5. To set the time, first tap the hour, minute, or second in the "Time" item and then tap the up arrow to increase or down arrow to decrease the value.

6. Tap OK to save the changes.

3.6 Change Language

1. Tap the **System Setting** button on the Main Menu.
2. Tap the **Language** button.



3. Tap the left/right arrow button to select the desired language.

4. Tap OK to save the changes.

4 Bluetooth HF Phone

4.1 About Bluetooth HF Phone

Your device can serve as a hands-free (HF) device for a Bluetooth mobile phone. After establishing the Bluetooth connection, you can tap your device to place and receive phone calls instead of picking up the mobile phone, and the built-in speakers and microphone can also be used for your conversation.

4.2 Connecting a Bluetooth Mobile Phone

To connect with a Bluetooth mobile phone for the first time:

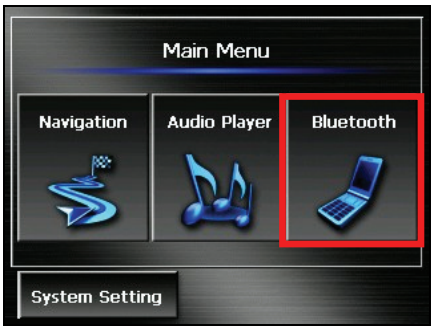
1. Initiate the Bluetooth searching process on your mobile phone. You should see “Pioneer AVIC-S2” in the device list after searching is completed.
2. On your mobile phone, select “Pioneer AVIC-S2” to create the connection.

   NOTE: For some mobile phones, you may need to tap and hold “Pioneer AVIC-S2” and select **Set as Hands-free** from the pop-up menu to activate the connection.

3. On your mobile phone, use the **0000** default passkey to connect.
4. Your AVIC-S2 can now serve as a hands-free device for your mobile phone.

4.3 Starting Bluetooth Mobile Phone

1. Tap **Bluetooth** on the Main Menu**.**



2. The **Bluetooth HF Phone** main screen appears. The status bar at the bottom shows the name of the mobile phone connected.

4.4 Placing a Call

After pairing with your mobile phone, you can place a call using any of the four buttons (

Keypad,

Contacts,

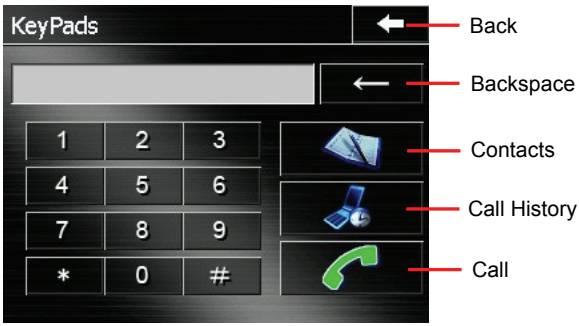
Call History, and

Redial) on the **Bluetooth HF Phone** main screen.

Keypad

By tapping the

Keypad button on the **Bluetooth HF Phone** main screen, you can enter the telephone number with the onscreen keypad. After entering the telephone number, tap to place the call.



NOTE:

- To delete the last digit entered, tap the **Backspace** button.
- The other two buttons allow you to switch to **Contacts** and **Call History** screens.

Contacts

If your mobile phone features the Bluetooth OPP (Object Push Profile), you can transfer contact data to the AVIC-S2. Once you have sent such information to your AVIC-S2, the information is available in the Contacts section of **Bluetooth HF Phone**.

NOTE: Not all phones or cellular service providers are capable of sending contact data to the AVIC-S2. See your cellular phone manual for more information.

To call a contact, tap the

Contacts button on the **Bluetooth HF Phone** main screen.

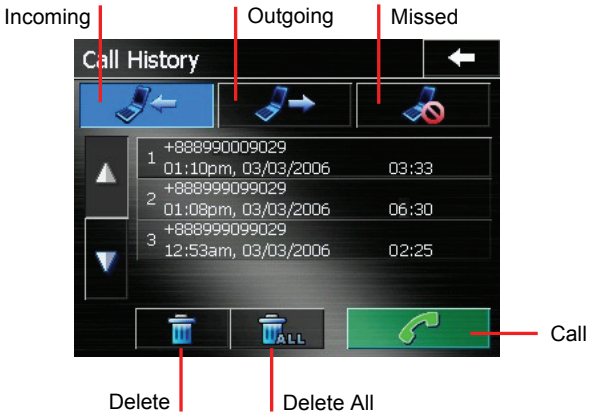
Tap the desired contact and the phone number list appears. Tap the phone number to call and tap to call the selected phone number.

Call History

> **NOTE: Bluetooth HF Phone** cannot access the call history stored in a connected mobile phone. It can only list the history of calls while the phone is connected to the AVIC-S2.

Tap the

Call History button on the **Bluetooth HF Phone** main screen to display the recent incoming, outgoing, or missed calls together with information such as date, time, and duration of each call.



Tap the respective button (**Incoming**, **Outgoing**, or **Missed**) to view the last 20 calls of the selected type.

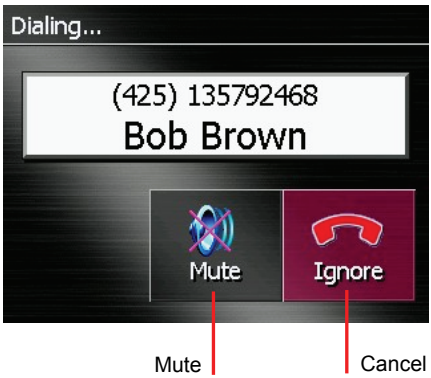
With an item selected, you can tap the button to dial the number or the button to delete the item**.**

To clear all items in the current list, tap the button.

Redial

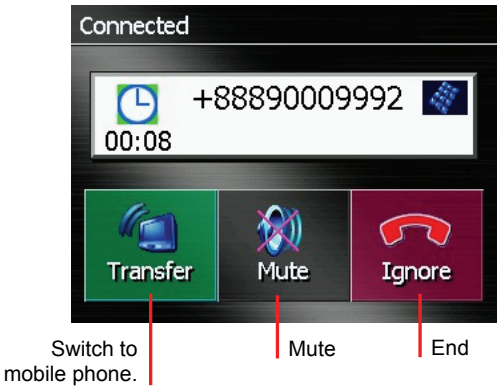
Tap the **Redial**

button on the **Bluetooth HF Phone** main screen to dial the last number you called.



4.5 Operations During a Call

During a call, three functions are available:



- If you need to input other numbers, such as an extension number, tap to open the keypad and tap the digits. The keypad will close when you tap the button again or when there has been no input for 5 seconds.

- Tap the

Mute button to mute your sound so that the other party cannot hear you. To end the mute mode, tap the same button again.

- Tap the

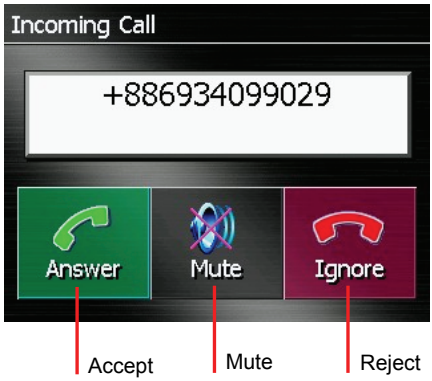
Ignore button to end the call.

- Tap the

Transfer button to switch the call to your mobile phone. To switch back to your device, tap the same button again.

4.6 Receiving a Call

When you have a call after pairing with a mobile phone, the device rings and displays the **Incoming Call** screen.



To accept the call, tap the

Answer button.

To reject the call, tap the

Ignore button.

To mute the ring tone before receiving or rejecting, tap the

Mute button.

4.7 Connecting to a Paired Phone

Once you have established a Bluetooth connection with a mobile phone, it will be stored in your device. You can initiate the connection from your device.

1. Start **Bluetooth HF Phone** as described in section 4.3.
2. Tap the

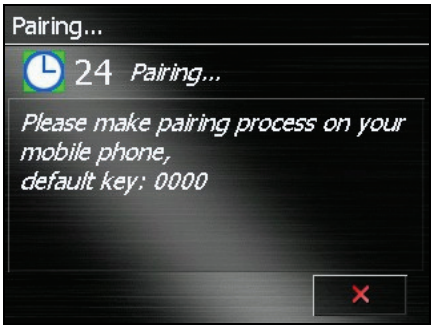
Connect button on the **Bluetooth HF Phone** main screen. Your device will search the last paired mobile phones for an available connection.

NOTE:
- Make sure that the mobile phone is in “discoverable” mode.
- Up to 8 sets of paired mobile phones can be stored. A 9th paired mobile phone will replace the oldest one.
- Once you reset or cold boot your device, you may not be able to find the last paired mobile phone available for the connection. You will need to start the connection all over again. (See section 4.2 for more information.)

4.8 Initiating Pair Mode

By tapping the

Pair Mode button on the **Bluetooth HF Phone** main screen, you can manually set your device to **Pair Mode**. Within the duration of 60 seconds, you can initiate the pairing process on your mobile phone to discover your device as a hands-free device.



4.9 Closing Bluetooth HF Phone

To hide the **Bluetooth HF Phone** screen, tap the button on the **Bluetooth HF Phone** main screen. **Bluetooth HF Phone** is still running in the background.

4.10 Ending the Bluetooth Connection

When you turn off your device, the connection is ended. You can also end the connection from your mobile phone.

5 Troubleshooting and Maintenance

This chapter gives solutions to common problems you may encounter. It also provides guidelines on how to take care of your device.

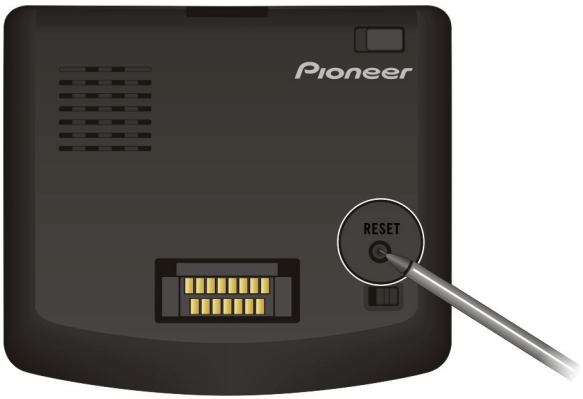
> **NOTE:** If you encounter a problem you cannot solve, contact an authorized service center for assistance.

5.1 Resetting Your System

Occasionally, you may need to reset your device. For example, you should reset your system when it stops responding; or appears to be "frozen" or "locked up."

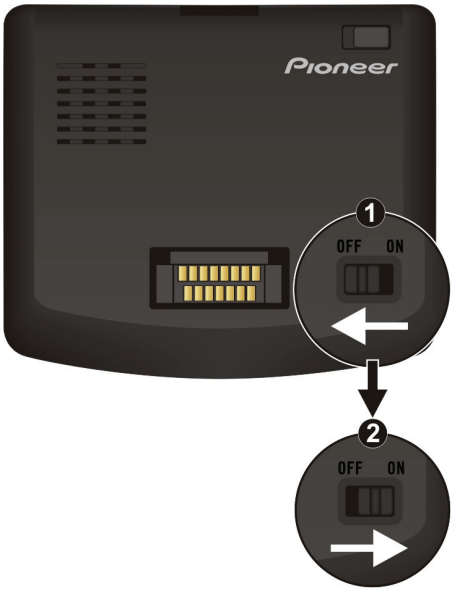
Use a pointed object (avoiding sharp objects) to press the reset button on your device. This is called a "soft reset."

If your device still does not respond after a soft reset, you can use the following steps to perform a "hard reset."



1. Disconnect all cables, including the AC adapter, from your device.
2. Slide the ON/OFF switch to the OFF position.

3. Wait for 1 minute and then slide the switch back to the ON position.



4. Your device will perform the initial start up. (See Section 1.3 for information.)

5.2 Troubleshooting

Power Problems

Power does not turn on when using battery power

- The remaining battery power may be too low to run your device. Connect the AC adapter to your device and then to AC power. Then, turn on your device.

Screen Problems

Screen is off

If the screen does not respond even after you press the power button, try the following in order until the problem is solved:

- Connect the AC adapter to your device and to external AC power.
- Reset your system. (See Section 5.1 for information.)

Screen responds slowly

- Make sure that your device is not running out of battery power. If the problem still exists, reset your system.

Screen freezes

- Reset your system. (See Section 5.1 for information.)

Screen is hard to read

- Make sure that the backlight of the display is on and if necessary adjust the brightness. On the **Main Menu**, tap **System setting → Backlight**.

GPS Problems

When there are no valid signals available, consider the following:

- Make sure that the device is facing a clear view of the sky.
- Note that the GPS reception can be affected by:
  - ✓ Bad weather
  - ✓ Dense overhead obstacles (e.g. trees and tall buildings)
  - ✓ Other wireless device in the car
  - ✓ Reflective car window tint and heated screens.

5.3 Maintaining Your Device

Taking good care of your device will ensure trouble-free operation and reduce the risk of damage to your device.

- Keep your device away from excessive moisture and extreme temperatures.
- Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not place anything on top of your device or drop objects on your device.
- Do not drop your device or subject it to severe shock.
- Do not subject your device to sudden and severe temperature changes. This could cause moisture and condensation build up inside the unit, which could damage your device. In the event of moisture or condensation, allow the device to dry out completely before use.
- Do not place heavy objects on top of this device. Use the provided Carrying Case when transporting the unit outside of the vehicle.
- The screen surface can easily be scratched. Avoid touching it with sharp objects. Non-adhesive generic screen protectors designed specifically for use on portable devices with LCD panels may be used to help protect the screen from minor scratches.
- Never clean your device with it powered on. Use a soft, lint-free cloth moistened with water to wipe the screen and the exterior of your device.
- Do not use paper towels to clean the screen.
- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void any warranty.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.

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